



EMPRESA COLOMBIANA DE PRODUCTOS VETERINARIOS S.A.
VECOL S.A.
SOLICITUD DE OFERTA COMERCIAL

SOLICITUD DE OFERTA COMERCIAL COMPRAS No. COM-056

1. INFORMACIÓN DE LA ENTIDAD CONTRATANTE

La **Empresa Colombiana de Productos Veterinarios S.A. (VECOL S.A.)** es una sociedad de economía mixta del orden nacional, vinculada al Ministerio de Agricultura y Desarrollo Rural. Su régimen de contratación se rige por las normas del **derecho privado**.

2. OBJETO Y ALCANCE DE LA CONTRATACIÓN

- **Objeto:**

Adquisición del reactivo bromuro 3-4.5 Dimetiltiazol 2-il -2.5 difeniltetrazolio MTT, para cuantificar las células Vero en el proceso productivo de la vacuna antirrábica humana.

3. CONDICIONES TÉCNICAS Y DE ENTREGA

Para garantizar la calidad y transparencia ante auditorías, el oferente debe cumplir estrictamente con:

- **Especificaciones técnicas:**

Reactivo r bromuro 3-4.5 Dimetiltiazol 2-il -2.5 difeniltetrazolio MTT ultrapuro 1 gramo marca VWR, fórmula $C_{18}H_{16}N_5BrS$, PM: 414,33 g/mol, temperatura de almacenamiento: refrigerador..

Lugar de Entrega: Instalaciones de VECOL S.A., Avenida El Dorado No. 82-93, Bogotá D.C.

- **Plazo de Entrega:** 60 días calendario

5. 4. CONDICIONES COMERCIALES Y FINANCIERAS

- **Vigencia de la Oferta:** La cotización debe indicar explícitamente su periodo de validez.
- **Forma de Pago:** El término de pago solicitado tras la aceptación de la factura y entrega a satisfacción.
- **Documentación Requerida:** Cotización formal firmada.

5. CRITERIOS DE EVALUACIÓN (Soporte para Selección Objetiva)

Las ofertas serán evaluadas bajo los siguientes criterios ponderables:

1. **Precio:** Análisis de competitividad frente al mercado.
Empresa Colombiana de Productos Veterinarios S.A.
Avenida El dorado 82-93 PBX: (601) 425 4800
Bogotá, D.C. - Colombia – Sur America
2. **Calidad:** Cumplimiento de estándares técnicos.
3. **Tiempo de respuesta:** Agilidad en la entrega del bien o servicio.

6. PLAZO Y CORREO ELECTRÓNICO PARA POSTULACIÓN

7.

Las ofertas deben ser enviadas a más tardar el día **6 de Marzo de 2026**, a las **4 p.m.** al correo electrónico **dora.rincon@vecol.com.co**

8. DECLARACIONES Y RESERVAS LEGALES

- **Declaratoria de Desierto:** VECOL S.A. podrá declarar desierto el proceso por falta de ofertas, incumplimiento de requisitos mínimos, motivos que impidan la selección objetiva o por razones de conveniencia institucional.
- **Naturaleza del Proceso:** Esta solicitud no genera derechos precontractuales ni obligaciones contractuales para VECOL S.A., y puede ser terminada de manera unilateral en cualquier momento. La presentación de la oferta implica la aceptación de estas condiciones por parte del proponente.

Firma: 

Valentina Jaramillo Mejía
Cargo: Profesional de Investigación
Área: Investigación y desarrollo

Empresa Colombiana de Productos Veterinarios S.A.
Avenida El dorado 82-93 PBX: (601) 425 4800
Bogotá, D.C. - Colombia – Suramérica

Safety Data Sheet

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Revision date: 24.02.2020

Version: 6.2

Print date: 24.02.2020

SECTION 1: Identification

Product identifier

Trade name/designation:	MTT (Thiazolyl Blue Tetrazolium Bromide) ULTRA PURE
Product No.:	0793
Synonymes:	none/none
CAS No.:	298-93-1
Other means of identification:	

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use:	For Further Manufacturing Use Only
Uses advised against:	Not for Human or Animal Drug Use

Details of the supplier of the safety data sheet

Supplier

VWR International LLC

Street	100 Matsonford Road Radnor Corporate Center, Building One, Suite 200 P. O. Box 6660
Postal code/city	Radnor, PA 19087
Telephone	+1-800-932-5000 toll-free within US/Canada +1-610-386-1700
Telefax:	+1-610-728-2103

Emergency phone number

Telephone	+1-800-424-9300 (Chemtrec, 24 hrs/day, 7 days/week, USA)
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Preparation Information

VWR International - Product Information Compliance

E-mail	sds@vwr.com
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SECTION 2: Hazard identification

2.1 Classification of the substance or mixture GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

Hazard classes and hazard categories	Hazard statements
Skin irritation, category 2	H315
Eye irritation, category 2	H319
Germ cell mutagenicity, category 2	H341
Specific target organ toxicity (single exposure), category 3, vascular	H335

2.2 Label elements Labelling in accordance with 29 CFR 1910.1200 (OSHA HCS)

Hazard pictograms



Signal word: Warning

Hazard statements	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H335	May cause respiratory irritation.

Precautionary Statements	
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazards not otherwise classified (HNOC) none/none

SECTION 3: Composition / information on ingredients

3.1 Substances

Substance name	3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide
Molecular formula	C ₁₈ H ₁₆ N ₅ SBr
Molecular weight	414.3 g/mol

CAS No.

298-93-1

SECTION 4: First aid measures

4.1 General information

IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician. If unconscious place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Change contaminated, saturated clothing. Do not leave affected person unattended.

In case of inhalation

Call a POISON CENTER/doctor. Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a physician.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye. Remove contact lenses, if present and easy to do. Continue rinsing.

In case of ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting. Give nothing to eat or drink.

4.2 Most important symptoms/effects, acute and delayed no data available 4.3 Indication of any immediate medical attention and special treatment needed

no data available

4.4 Self-protection of the first aider

First aider: Pay attention to self-protection!

4.5 Information to physician

no data available

SECTION 5: Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media

The product itself does not burn.

Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing media which must not be used for safety reasons no restriction

5.2 Specific hazards arising from the chemical

In case of fire may be liberated:

Carbon monoxide

Carbon dioxide (CO₂)

Hydrogen bromide (HBr)

Nitrogen oxides (NO_x) Sulphur
oxides

5.3 Advice for firefighters

DO NOT fight fire when fire reaches explosives.

Protective equipment and precautions for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Do not allow run-off from fire-fighting to enter drains or water courses.

Do not inhale explosion and combustion gases.

Use water spray/stream to protect personnel and to cool endangered containers. In case of fire: Evacuate area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

Spilled product must never be returned to the original container for recycling. Clean contaminated articles and floor according to the environmental legislation. Collect in closed and suitable containers for disposal.

6.4 Additional information

Clear spills immediately.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

All work processes must always be designed so that the following is as low as possible:

Inhalation skin contact Eye contact

7.2 Conditions for safe storage, including any incompatibilities

Recommended storage temperature: Store between 2 °C and 8 °C.

Keep container tightly closed and in a well-ventilated place.

7.3 Specific end use(s)

no
data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2 Engineering controls

Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. If handled uncovered, arrangements with local exhaust ventilation have to be used.

Personal protection equipment (PPE)

Wear suitable protective clothing. When handling with chemical substances, protective clothing must be worn.

Eye/face protection

Eye glasses with side protection

Skin protection

Wear suitable gloves. When handling with chemical substances, protective gloves must be worn. In the case of wanting to use the gloves again, clean them before taking off and air them well. Check leak tightness/impermeability prior to use.

By short-term hand contact

Suitable material:	NBR (Nitrile rubber)
Thickness of the glove material:	0,12 mm
Breakthrough time (maximum wearing time):	> 480 min

By long-term hand contact

Suitable material:	NBR (Nitrile rubber)
Thickness of the glove material:	0,12 mm
Breakthrough time (maximum wearing time):	> 480 min

Respiratory protection

Respiratory protection necessary at: aerosol or mist formation If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Additional information

Wash hands before breaks and after work. Avoid contact with eyes and skin. When using do not eat, drink or smoke. Provide eye shower and label its location conspicuously.

Environmental exposure controls

no data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

(a) Appearance

Physical state:	solid
Color:	yellow-orange

- (b) Odour: no data available
 (c) Odour threshold: no data available

Safety relevant basic data

- (d) pH: no data available
 (e) Melting point/freezing point: no data available
 (f) Initial boiling point and boiling range: no data available
 (g) Flash point: no data available
 (h) Evaporation rate: no data available
 (i) Flammability (solid, gas): not applicable
 (j) Flammability or explosive limits
 Lower explosion limit: no data available
 Upper explosion limit: no data available
 (k) Vapour pressure: no data available
 (l) Vapour density: no data available
 (m) Relative density: no data available
 (n) Solubility(ies)
 Water solubility (g/L): no data available
 Soluble (g/L) in Ethanol: no data available
 (o) Partition coefficient: n-octanol/water: no data available
 (p) Auto-ignition temperature: no data available
 (q) Decomposition temperature: no data available
 (r) Viscosity
 Kinematic viscosity: no data available
 Dynamic viscosity: no data available
 (s) Explosive properties: not applicable
 (t) Oxidising properties: not applicable

9.2 Other information

- Bulk density: no data available
 Refraction index: no data available
 Dissociation constant: no data available
 Surface tension: no data available
 Henry's Law Constant: no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

no data available

10.7 Additional information

no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects *Acute oral*

toxicity: no data available

Acute dermal toxicity: no data available

Acute inhalation toxicity: no data available

Irritant and corrosive effects *Primary*

irritation to the skin: Causes skin irritation.

Irritation to eyes:

Causes serious eye irritation.

Irritation to respiratory tract:

May cause respiratory irritation.

Respiratory or skin sensitization

In case of skin contact: not sensitising

In case of inhalation: not sensitising

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure not

applicable

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

no data available	ACGI H	IARC	NT P	OSH A

Germ cell mutagenicity

Suspected of causing genetic defects.

Reproductive toxicity

No indications of human reproductive toxicity exist.

Aspiration hazard not applicable

Other adverse effects no data available

Additional information no data available

SECTION 12: Ecological information

12.1 Ecotoxicity

Fish toxicity: no data available

Daphnia toxicity: no data available

Algae toxicity: no data available

Bacteria toxicity: no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water: no data available

12.4 Mobility in soil:

no data available

12.5 Results of PBT/vPvB assessment

no data available

12.6 Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Product

Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

Waste code product: no data available

Appropriate disposal / Package

Dispose according to legislation. Handle contaminated packages in the same way as the substance itself.

Additional information no

data available

SECTION 14: Transport information

Land transport (DOT)

No dangerous good in sense of this transport regulation.

Sea transport (IMDG)

No dangerous good in sense of this transport regulation.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code not relevant

Air transport (ICAO-TI / IATA-DGR)

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA 313 Components

Not listed.

Massachusetts Right To Know Components

Not listed.

Pennsylvania Right To Know Components

Not listed.

New Jersey Right To Know Components

Not listed.

California Prop. 65 Components

Not listed.

SECTION 16: Other information

Abbreviations and acronyms

ACGIH - American Conference of Governmental Industrial Hygienists
DOT - Department of Transportation
IARC - International Agency for Research on Cancer
IATA-DGR - International Air Transport Association-Dangerous Goods Regulations
ICAO-TI - International Civil Aviation Organization-Technical Instructions
IMDG - International Maritime Code for Dangerous Goods
LTV - Long Term Value
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety & Health Administration
PBT - Persistent, Bioaccumulative and Toxic
PEL - Permissible Exposure Limit
STV - Short Term Value
SVHC - Substances of Very High Concern
TDG - Transport of Dangerous Goods TLV -
Threshold Limit Value vPvB - very Persistent,
very Bioaccumulative

Additional information

Indication of changes: general update

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guidance. The information in this document is based on the present state knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. VWR International and his Affiliates shall not be held liable for any damage resulting from handling.

Registro de auditoría

Detalles

NOMBRE DEL ARCHIVO Solicitud compra - MTT - 24/2/26, 1:06 p.m..pdf

ESTADO  Firmado

MARCA DE TIEMPO DEL ESTADO 2026/02/24
18:07:06 UTC

Actividad

 ENVIADO valentina.jaramillo@vecol.com.co **envió** una solicitud de firma a: 2026/02/24
• V.Jaramillo (valentina.jaramillo@vecol.com.co) 18:06:43 UTC

 FIRMADO **Firmado** por V.Jaramillo (valentina.jaramillo@vecol.com.co) 2026/02/24
18:07:06 UTC

 COMPLETADO Este documento tiene la firma de todos los firmantes y está **completo** 2026/02/24
18:07:06 UTC

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