PAROLGIN

(Paracetamol + Analgin Injection Veterinary Use)

📝 Description

This is a **dual-component, non-opioid injectable formulation** combining **Paracetamol** and **Analgin (Metamizole Sodium)** to deliver **potent antipyretic**, **analgesic**, and **anti-inflammatory** effects for veterinary use.

- **Paracetamol**: A central-acting antipyretic and mild analgesic, safe on the gastrointestinal tract.
- **Analgin (Metamizole)**: A pyrazolone derivative with strong analgesic and antipyretic action, also offering mild spasmolytic benefits.

This combination is especially useful in high fevers, systemic infections, inflammation, and painful conditions in large and small animals.

⚠️ Not for use in cats due to Paracetamol toxicity.
To be administered strictly under veterinary supervision.

📊 Specification

- **Formulation**: Sterile aqueous solution
- **Appearance**: Clear, colourless to pale yellow liquid
- **pH Range**: 5.5 – 7.0
- **Shelf Life**: 24 months under recommended storage
- **Packaging**: Amber glass vials –30 mL

🐄 Composition (Per mL)

- **Paracetamol I.P.**: 150 mg
- **Analgin (Metamizole Sodium) I.P.**: 150 mg
- **Benzyl Alcohol I.P.**: 1% w/v (as preservative)
- **Water for Injection**: q.s

🧴 Excipients

- Benzyl Alcohol/ pH adjusters (as required)
- Water for Injection

🏷️ Category

- Antipyretic
- Analgesic
- Anti-inflammatory
- Non-steroidal adjunct therapy

💉 Indications

- **High-grade fevers (pyrexia)**
- **Bacterial and viral infections with systemic fever**
- **Muscle and joint pain, trauma-related pain**
- **Post-surgical recovery**
- **General malaise and inflammation**
- **Adjunct to antibiotic therapy during infection-induced fever**

💊 Dosage

Always follow veterinarian's directions.

Typical Dosage Guidelines:

- **Cattle, Buffaloes, Horses**: 1 mL per 20–30 kg body weight IM/IV
- **Sheep, Goats**: 1 mL per 10–15 kg
- **Dogs**: 0.5 – 2 mL depending on body weight
- **Cats**: ❌ Contraindicated

Frequency: Once or twice daily for up to 3 days or as advised

IV administration should be slow and under monitoring to avoid hypotension or allergic reactions.

🚪 Route of Administration

- Intramuscular (IM)
- Slow Intravenous (IV)

📦 Product Form

- Clear sterile injectable solution
- Amber glass vials: 30 mL

🐄 Usage

Indicated for **livestock (cattle, buffaloes, goats, sheep, horses)** and **canines** for effective **fever and pain management**. Not recommended for felines due to high toxicity of paracetamol.

✅ Advantages

- **Synergistic action** of Paracetamol & Analgin for faster and longer relief
- Effective in **mixed infections**, **musculoskeletal inflammation**, and **febrile illness**
- **Reduced gastrointestinal impact** compared to NSAIDs
- Enhances animal comfort during disease recovery
- Easy IM/IV administration

⚠️ Adverse Effects

- Local irritation at injection site
- Allergic reactions (rash, swelling, rare anaphylaxis)
- Rare hypotension (if IV too rapid)
- Overdose may lead to **hepatic** or **renal** complications
- Bone marrow suppression (rare, linked to Analgin)

📅 Schedule

- **Schedule H** veterinary drug
- Administer only with a valid veterinary prescription

⚠️ Precautions

- **Contraindicated in cats/** Avoid concurrent use with other hepatotoxic or nephrotoxic agents
- Monitor hydration status before IV administration
- Avoid overdose — follow dosage based on weight
- Use cautiously in animals with **liver or kidney disorders**

⏳ Withdrawal Period

- **Meat**: 4 days
- **Milk**: 48 hours
  (Verify with national/local regulatory authorities as per region)

🧊 Storage

- Store below **25°C**
- Protect from **light and freezing**
- Keep tightly closed after opening

🧹 Handling

- Use sterile syringe and needle
- Shake gently before use
- Do not use if solution is turbid or discoloured
- Follow local veterinary pharmaceutical waste disposal protocols

📦 HS and HSN Codes

- **HS Code**: 30049099
- **HSN Code**: 3004 – Medicaments for therapeutic/prophylactic use

🛠️ Special Instructions

- Always administer IV slowly under monitoring
- Do not use in combination with other paracetamol or pyrazolone-based drugs unless approved by the veterinarian
- Provide hydration support if animal is febrile or debilitated

👩‍⚕️ Human and Veterinary Application

- **Strictly for veterinary use only**
- Not formulated or approved for human use
- Human exposure to Analgin is restricted in many countries

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❓ Frequently Asked Questions (FAQs)

Q1: What is this injection used for?
It is used for **reducing fever** and **relieving pain or inflammation** in veterinary animals.

Q2: Can it be used in cats?
❌ No. Paracetamol is toxic to cats and should **never** be used in feline species.

Q3: Is this better than Paracetamol alone?
Yes. **Analgin and Paracetamol** have a **synergistic effect**, providing quicker and stronger relief.

Q4: Can it be used with antibiotics?
Yes, it is commonly used alongside antibiotics during infections to control fever and improve animal comfort.

Q5: Are there any serious side effects?
Very rare. Overdose or rapid IV injection may cause liver strain, allergic reaction, or hypotension.

Q6: What is the withdrawal period?
4 days for meat, 48 hours for milk — but always confirm with local guidelines.

Q7: Can this injection be given daily?
Yes, but typically not more than 2–3 days unless prescribed specifically by a veterinarian.

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