

TheraPEAK™ ACK Lysing Buffer

Instructions for use

Product use

TheraPEAK™ ACK Lysing Buffer is used to lyse red blood cells in a preparation that contains white blood cells.

Formula

NH ₄ Cl	8,024 mg/L
KHCO ₃	1,001 mg/L
EDTA·Na ₂ ·2H ₂ O	3.722 mg/L

Protocol

TheraPEAK™ ACK Lysing Buffer was designed for the lysing of red blood cells from mouse lymphocyte preps. The buffer also works for human red blood cells. This product is not to be used for lysing whole blood. Please note that this product is not for *in vitro* diagnostic use.

1. Spin blood, remove supernatant.
2. Add equivalent volume of ACK lysing buffer to the remaining pellet. The volume should be comparable to that of the pellet.
3. Gently resuspend, swirl tube for 30-60 seconds.
4. Fill tube with medium that does not contain serum and centrifuge.
5. Again remove supernatant and retain pellet.
6. This process can be repeated one more time if necessary.
7. Proceed with normal cell protocol.

Specifications

Sterility	pH	Osmolality (mOsm)	Endotoxin (EU/mL)
Negative	7.3-7.6	285-300	≤0.25

Storage

15°C to 30°C

Ordering information

Catalog number	Description	Size
BP10-548E	TheraPEAK™ ACK Lysing Buffer	100 mL

Product use statement

GMP PRODUCTS ARE INTENDED FOR RESEARCH OR FOR FURTHER MANUFACTURING USE ONLY. This product is not intended for direct therapeutic use in humans.