



**1. Identification of preparation and of the company/undertaking**

**1.1 Product name:**  
AKT phospho-S473 kit - 500 tests

**Product code: 64AKSPEG**

**1.2 Use**

With the exception of products specifically labeled for In Vitro Diagnostic use, all other products are for laboratory research use only and are not intended for human or animal diagnostics, therapeutics, or other clinical uses.

**1.3 Manufacturer / Supplier identification:**

Cisbio Bioassays  
Parc Marcel Boiteux  
B.P. 84175  
30200 CODOLET

Phone : +33 (0) 4 66 79 67 00  
Fax : +33 (0) 4 66 79 19 20  
E-mail : bioassays@cisbio.com

Switch Board

Europe & Other countries  
Phone : + 33 466 796 705  
USA & CANADA

**1.4 Emergency telephone number:**

Customer service

Phone : 1-888-963-4567  
Phone: +33 (0) 4 66 79 67 05  
Fax: +33 (0) 4 66 79 19 20  
E-Mail: bioassays@cisbio.com  
Internet <http://www.cisbio.com>

**2. Hazard ingredients**

**Hazard identification (reagents)**

- Refer to item 3 for more information

**3. Composition / Information on ingredients**

**3.1. Chemical characterization :**

Reagents			Chemical						
Reagents	Physical state	pH	Name	CAS	Symbol	Classification	Range w/w	Symbol	Classification
AKT phospho-S473 kit - 500 tests d2 conj	Liquid Blue	-	-	-	-	-	-	-	-
AKT phospho-S473 kit - 500 tests Eu conj	Liquid -	-	-	-	-	-	-	-	-
AKT phospho-S473 kit control lysate	Liquid -	-	CB2010	-	F,Xn	H225-H302-H332-H315-H318-H335-H412	< 0,25	-	-
			Triton X100	9002-93-1	Xn	H302	< 0,25	-	-
			Sodium orthovanadate	13721-39-6	Xn	H302-H312-H332	< 0,25	-	-
Phospho-total protein lysis buffer #1 - 2 ml	Liquid -	7	CB2010	-	F,Xn	H225-H302-H332-H315-H318-H335-H412	< 0,25	-	-
			Triton X100	9002-93-1	Xn	H302	< 0,25	-	-
Phospho-total protein blocking reagent - 0.3 ml	Liquid -	-	Sodium orthovanadate	13721-39-6	Xn	H302-H312-H332	< 0,25	-	-
Phospho-total protein detection buffer - 2 ml	Liquid -	7	KF	7789-23-3	T	H331	< 0,03	-	-



#### 4. First-aid and measures

- **Eye or skin contact:** Immediately flush eyes or skin with plenty of water at least for 15 minutes. Remove contaminated clothing.
- **Inhalation:** Supply for fresh air. If not breathing, give artificial respiration. For any breathing problems supply with oxygen.
- **Ingestion:** Secure that the person is conscious. Flush mouth with water and immediately call a physician.

#### 5. Fire-fighting measures

- **Suitable extinguishing media:** Use dry chemical powder or appropriate foam extinguisher.
- **Protecting equipment for fire-fighting:** Put on breath protecting equipment, wear protecting clothing to prevent contact with skin and eyes.

#### 6. Accidental release measures

Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill using appropriate material. Collect and dispose waste in accordance with applicable regulations.

#### 7. Handling and storage

- **Handling**  
Advice for safe handling: Avoid inhalation, contact with eyes, skin and clothing.
- **Precaution**  
Do not pipet by mouth. Do not eat, drink or smoke in areas where reagents are handled.  
Wear suitable one-way rubber gloves at work.  
Avoid any splash and formation of aerosols.  
For further advice see section 8.
- **Storage**  
Keep in properly labeled containers.

#### 8. Exposure controls / personal protection

- **Personal protective equipment**  
Respirator protection: Only required if dusts and aerosols are generated.  
Hand protection: Wear compatible chemical resistant gloves.  
Eye protection: Wear chemical safety goggles.  
Body protection: Wear protective clothing.
- **General protective and sanitary measures:** Safety shower and eyewash device.  
Immediately remove contaminated clothing.  
Wash hands after work.



## 9. Physical and chemical properties

- **Appearance**  
**Physical state:** Refer item 3.  
**Color :** Refer item 3.  
**Odour:** N/A
- **Chemical parameters**  
**pH:** Refer item 3.  
**Melting point / melting range:** Not applicable.  
**Flash point:** Not applicable.  
**Relative density:** Data not available.

## 10. Stability and reactivity

- **Stability:** Data not available.
- **Conditions to avoid:** Data not available.
- **Incompability:** Data not available.
- **Hazardous or decomposition products:** Data not available.

## 11. Toxicological information

- **Toxicity:** Data not available.

## 12. Ecological information

- **General advice:** Prevent from getting into sewage, water, ground
- **Mobility and (bio)accumulation potential:** Data not available.
- **Ecotoxicity:** Ecotoxic effects of the product are not expected. Quantitative data on the ecological effect of this product is not available.
- **Other information:** No ecological problems are expected when the product is handled and used with due care and attention.

## 13. Disposal consideration

- **Contaminated packaging:** Dispose of according to local regulations.
- **Products:** The product must be disposed of as a laboratory chemical according to local regulations. Please contact responsible authority. Used reagents, plates, and reagent kits dispose of as potential infectious laboratory waste.
- **Pollutes:** Remove pollutes with absorbing paper.  
All material used for cleaning up must be disposed of as infectious laboratory waste.

## 14. Transport information

- **Ground transportation/RID/ADR:** Non-hazardous for road transport.
- **Seaway/IMDG:** Non-hazardous for sea transport.
- **By air/OACI/IATA-DRG:** Non-hazardous for air transport.



## 15. Regulations

- **Reminder of Risk:** EC Regulation  
Refer to national, regional and local regulations

## 16. Other information

- **Attention:** This safety data sheet has been drafted in conformity with CE regulation n° 1907/2006, Annex II. It completes the Instruction for use but does not replace it.

This information is based on our present knowledge relative to the product at the date it was issued.

All information provided in this document is given in good faith based on the present knowledge status. The user's attention is drawn to possible risks related to using the product for any purposes, or in any way not allowed in this document.

This safety information in no way dispenses users from thoroughly knowing and applying all regulatory texts related to their activity.

Any user is solely responsible for the precautions undertaken when using the product.

### RISK PHRASES UNDER EC No. 1272/2008 REGULATION

<b>H224</b>	Extremely flammable liquid and vapour.
<b>H225</b>	Highly flammable liquid and vapour.
<b>H226</b>	Flammable liquid and vapour.
<b>H228</b>	Flammable solid.
<b>H240</b>	Heating may cause an explosion.
<b>H241</b>	Heating may cause a fire or explosion.
<b>H242</b>	Heating may cause a fire.
<b>H250</b>	Catches fire spontaneously if exposed to air.
<b>H260</b>	In contact with water releases flammable gases which may ignite spontaneously.
<b>H270</b>	May cause or intensify fire; oxidiser.
<b>H272</b>	May intensify fire; oxidiser.
<b>H290</b>	May be corrosive to metals.
<b>H300</b>	Fatal if swallowed.
<b>H301</b>	Toxic if swallowed.
<b>H302</b>	Harmful if swallowed.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H310</b>	Fatal in contact with skin.
<b>H311</b>	Toxic in contact with skin.
<b>H312</b>	Harmful in contact with skin.
<b>H314</b>	Causes severe skin burns and eye damage.



<b>H315</b>	Causes skin irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H318</b>	Causes serious eye damage.
<b>H319</b>	Causes serious eye irritation.
<b>H330</b>	Fatal if inhaled.
<b>H331</b>	Toxic if inhaled.
<b>H332</b>	Harmful if inhaled.
<b>H334</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>H335</b>	May cause respiratory irritation.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H340</b>	May cause genetic defects
<b>H341</b>	Suspected of causing genetic defects
<b>H350</b>	May cause cancer
<b>H351</b>	Suspected of causing cancer
<b>H360</b>	May damage fertility or the unborn child.
<b>H361</b>	Suspected of damaging fertility or the unborn child.
<b>H362</b>	May cause harm to breast-fed children.
<b>H370</b>	Causes damage to organs
<b>H371</b>	May cause damage to organs
<b>H372</b>	Causes damage to organs through prolonged or repeated exposure.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.
<b>H400</b>	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>H412</b>	Harmful to aquatic life with long lasting effects.
<b>H413</b>	May cause long lasting harmful effects to aquatic life.
<b>EUH001</b>	Explosive when dry.
<b>EUH006</b>	Explosive with or without contact with air.
<b>EUH014</b>	Reacts violently with water.
<b>EUH018</b>	In use may form flammable/explosive vapour-air mixture.
<b>EUH019</b>	May form explosive peroxides.
<b>EUH044</b>	Risk of explosion if heated under confinement.
<b>EUH029</b>	Contact with water liberates toxic gas.
<b>EUH031</b>	Contact with acids liberates toxic gas.
<b>EUH032</b>	Contact with acids liberates very toxic gas.
<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.
<b>EUH070</b>	Toxic by eye contact.
<b>EUH071</b>	Corrosive to the respiratory tract.
<b>EUH059</b>	Hazardous to the ozone layer.

**MATERIAL SAFETY DATA SHEET**

In accordance with CE Regulation  
n° 1907/2006. Annex II.

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