

CLAIMS

1. Use of a glycol as a pathogen inactivating agent in a biological composition, wherein the biological composition is selected from a group consisting of a blood composition, a milk composition, urine, sweat, sputum, feces, spinal fluid, and cellular or tissue extracts.
2. Use of claim 1, wherein said glycol is propylene glycol.
3. An *in vitro* method for inactivating a pathogen in a biological composition, said method comprising contacting said biological composition with a glycol, wherein the biological composition is selected from a group consisting of a blood composition, a milk composition, urine, sweat, sputum, feces, spinal fluid, and cellular or tissue extracts.
4. The method of claim 3, wherein said glycol is propylene glycol.
- ~~5. The method of claim 3 or 4, wherein said biological composition is a blood composition or a milk composition.~~
- ~~6.5.~~ The method of claim 3 or 4 ~~any one of claims 3-5~~, wherein said pathogen is selected from the group consisting of viruses, bacteria, fungi, protozoa, parasites, and prions.
- ~~7.6.~~ The method of claim ~~65~~, wherein said virus is selected from the group consisting of X-MuLV, PRV, BVDV and TGEV virus.
- ~~8.7.~~ The method of any one of claims 3-~~76~~, wherein said method results in a pathogen elimination equal or greater than $4\text{Log}_{10}\text{TCID}$ (Tissue Culture Infective Dose), wherein the TCID is according to the methods of Kärber and/or Spearman-Kärber.
- ~~9.8.~~ The method of any one of claims 3-~~87~~, wherein the concentration of glycol after the contacting step is between 40 and 50% (v/v) of the biological composition.
- ~~10.9.~~ The method of any one of claims 3-~~98~~, wherein said method is performed at a temperature between 15 and 25°C.
- ~~11.10.~~ The method of any one of claims 3-~~109~~, wherein said method is performed at a pH between 7.0 and 8.0.
- ~~12.11.~~ A biological composition comprising glycol obtained by any of the methods of claims 3-~~110~~.
- ~~13.12.~~ The biological composition of claim ~~1211~~, wherein said glycol is at a concentration between 40 and 50% (v/v).
- ~~14.13.~~ The biological composition of claim ~~12-11~~ or claim ~~1312~~, wherein said glycol is propylene glycol.