Hi Erika-

I apologize for the delay on this. It seems that this is a more difficult application than we thought.

Here is the best recommendation for an initial protocol that we have from R&D. Please keep in mind, that this has not really been tested for what you’re considering.

1. Make a 1% solution of NP40 and
2. add that in equal volume to however much milk they’re processing (shouldn’t exceed 500ul).
3. Vortex for about 1 minute (lyses the WBCs).
4. Centrifuge at 10k-g for 3 minutes (this pellets the bacteria).
5. Take off and discard the supernatant (WBC DNA).
6. Resuspend the pellet in 95ul PBS plus 5ul PK.
7. Incubate at 55C for 15 minutes (lyses the bacteria).
8. Proceed with whatever sample prep they like – Pathogen RNA/DNA, Core kit etc…

I think this might be something to try, but again, we’re really struggling to come up with something for this.

**Best Regards,**

**Jeff**

**Jeffrey J. Strain, M.S.  
Technical Sales Specialist**

**Manager, The Americas**

***Animal Health***

**Thermo Fisher Scientific**

**Life Sciences Solutions**

2130 Woodward Street • Austin • TX • 78744 • United States

**Mobile:**(410) 804 8740

[jeffrey.strain@thermofisher.com](mailto:jeffrey.strain@thermofisher.com)

For Immediate Technical Support, please call 1-800-500-6885

Email Support: [animalhealth@lifetech.com](mailto:animalhealthandfoodsafety@thermofisher.com)