

“The possibility to screen human CMV strains directly from saliva offers both simple non-invasive screening from any population, and identification of field isolates through a major way of transmission to infants or pregnant women.”[‡]



Sophie Alain

Why OMNIgene®•ORAL

Dr. Alain and her team of researchers believed that offering a non-invasive, saliva-based collection device would be the best option for the cohort of very young patients participating in this study. They heard about DNA Genotek through internet research for materials suitable for saliva sampling and DNA detection. OMNIgene•ORAL provides a completely non-invasive and easy-to-use option for collecting microbial DNA while meeting the requirements for both high quality and high quantity DNA.

Results

Over 200 CMV-positive saliva samples were successfully collected from toddlers at 6 day care centers and at the emergency unit of the local hospital with a precursor to OMNIgene•ORAL[†]. The research team was able to identify 112 strains of CMV that fell into eight groups. As a result, they were able to validate that their new PCR-RFLP method for rapid screening of CMV genotypes can simultaneously determine multiple genotypes of CMV and offer a more precise classification of CMV strains than previous RFLP-based methods.

[†] Samples for the study were collected with a DNA Genotek kit which the company developed into the commercially available OMNIgene•ORAL OM-501 product.

[‡] Grosjean J. et al. Direct genotyping of cytomegalovirus envelope glycoproteins from toddler's saliva samples. J Clin Virol (2009), doi:10.1016/j.jcv.2009.08.018

Some DNA Genotek products may not be available in all geographic regions.

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