

STH-PAS 文献リスト

1. Hayashi M, Natori T, Kubota-Hayashi S, Miyata M, Ohkusu K, Kawamoto K, Kurazono H, Makino S, Ezaki T (2013)
A new protocol to detect multiple foodborne pathogens with PCR dipstickDNA chromatography after a six-hour enrichment culture in abroad-range food pathogen enrichment broth.
Biomed Res Int 2013:295050
2. Monden, Y., Takasaki, K., Futo, S., Niwa, K., Kawase, M., Akitake, H., Tahara, M., 2014.
A rapid and enhanced DNA detection method for crop cultivar discrimination.
J. Biotechnol. 185, 57–62. <https://doi.org/10.1016/j.jbiotec.2014.06.013>.
3. Tian L, Sato T, Niwa K, Kawase M, Tanner AC, Takahashi N (2014)
Rapid and sensitive PCR-dipstick DNA chromatography for multiplex analysis of the oral microbiota.
Biomed Res Int 2014:180323
4. Ohshiro, T., Miyagi, C., Tamaki, Y., Mizuno, T., Ezaki, T., 2016.
Development of a rapid diagnostic method for identification of Staphylococcus aureus and antimicrobial resistance in positive blood culture bottles using a PCR-DNA-chromatography method.
J. Infect. Chemother. 22, 372–376. <https://doi.org/10.1016/j.jiac.2016.02.013>.
5. Tian, L., Sato, T., Niwa, K., Kawase, M., Mayanagi, G., Washio, J., Takahashi, N., 2016.
PCR-dipstick DNA chromatography for profiling of a subgroup of cariesassociated bacterial species in plaque from healthy coronal surfaces and periodontal pockets.
Biomed. Res. Int. 37, 29–36. <https://doi.org/10.2220/biomedres.37.29>.
6. Shanmugakani RK, Akeda Y, Yamamoto N, Sakamoto N, Hagiya H, Yoshida H, Takeuchi D, Sugawara Y, Koderu T, Kawase M, Laolerd W, Chaihongsa N, Santanirand P, Ishii Y, Hamada S, Tomono K.
PCR-Dipstick Chromatography for Differential Detection of Carbapenemase Genes Directly in Stool Specimens.
Antimicrob Agents Chemother. 2017 May 24;61(6):e00067-17. doi: 10.1128/AAC.00067-17.

7. Fast-forwarding DNA detection
Nature vol. 545, S24, 2017
8. Riztyan, R., Takasaki, K., Yamakoshi, Y., Futo, S., 2018.
Single-Laboratory Validation of Rapid and Easy DNA Strip for Porcine DNA Detection in Beef Meatballs.
J. AOAC Int.101, 1653–1656. <https://doi.org/10.5740/jaoacint.17-0394>.
9. Saito, T., Kikuchi, A., Kaneko, A., Isozumi, R., Teramoto, I., Kimura, M., Hirasawa, N., Hiratsuka, M., 2018.
Rapid and sensitive multiplex single-tube nested PCR for the identification of five human Plasmodium species.
Parasitol. Int. 67, 277–283. <https://doi.org/10.1016/j.parint.2018.01.005>.
10. Koiwai K, Kodera T, Thawonsuwan J, Riani S, Kawase M, Kondo H, Hirono I (2018)
Rapid diagnosis of three shrimp RNA viruses using RT-PCR-DNA chromatography.
J Fish Dis 41(8):1309–1312. <https://doi.org/10.1111/jfd.12821>
11. Takabatake, R., Kagiya, Y., Minegishi, Y., Futo, S., Soga, K., Nakamura, K., Kondo, K., Mano, J., Kitta, K., 2018.
Rapid screening detection of genetically modified crops by loop-mediated isothermal amplification with a lateral flow dipstick.
J. Agric. Food Chem. 66, 7839–7845. <https://doi.org/10.1021/acs.jafc.8b01765>.
12. Koiwai K, Kodera T, Thawonsuwan J, Kawase M, Kondo H, Hirono I (2018)
A rapid method for simultaneously diagnosing four shrimp diseases using PCR-DNA chromatography method.
J Fish Dis 41(2):395–399
13. Kumondai M, Ito A, Hishinuma E, Kikuchi A, Saito T, Takahashi M, Tsukada C, Saito S, Yasuda J, Nagasaki M, Minegishi N, Yamamoto M, Kaneko A, Teramoto I, Kimura M, Hirasawa N, Hiratsuka M.
Development and application of a rapid and sensitive genotyping method for pharmacogene variants using the single-stranded tag hybridization chromatographic printed-array strip (STH-PAS).
Drug Metab Pharmacokinet. 2018 Dec;33(6):258-263. doi: 10.1016/j.dmpk.2018.08.003.

14. Liles VR, Pangilinan LS, Daroy MLG, Dimamay MTA, Reyes RS, Bulusan MK, Dimamay MPS, Luna PAS, Mercado A, Bai G, Chagan-Yasutan H, Takarada Y, Kawase M, Hattori T.
Evaluation of a rapid diagnostic test for detection of dengue infection using a single-tag hybridization chromatographic-printed array strip format.
Eur J Clin Microbiol Infect Dis. 2019 Mar;38(3):515-521.doi: 10.1007/s10096-018-03453-3.
15. Takarada Y, Kodera T, Kobayashi K, Nakajima C, Kawase M, Suzuki Y.
Rapid detection of rifampicin-resistant Mycobacterium tuberculosis, based on isothermal DNA amplification and DNA chromatography.
J Microbiol Methods. 2020 Oct;177:106062. doi: 10.1016
16. Moonga LC, Hayashida K, Kawai N, Nakao R, Sugimoto C, Namangala B, Yamagishi J.
Development of a Multiplex Loop-Mediated Isothermal Amplification (LAMP) Method for Simultaneous Detection of Spotted Fever Group Rickettsiae and Malaria Parasites by Dipstick DNA Chromatography.
Diagnostics (Basel). 2020 Nov 2;10(11):897. doi: 10.3390/diagnostics10110897.
17. Kodera T, Yamaguchi T, Fukushima Y, Kobayashi K, Takarada Y, Chizimu JY, Nakajima C, Solo ES, Lungu PS, Kawase M, Suzuki Y.
Rapid and Simple Detection of Isoniazid-Resistant Mycobacterium tuberculosis Utilizing a DNA Chromatography-Based Technique.
Jpn J Infect Dis. 2021 May 24;74(3):214-219. doi: 10.7883/yoken.JJID.2020.754.
18. Kanokudom S, Assawakongkarat T, Akeda Y, Ratthawongjirakul P, Chuanchuen R, Chaichanawongsaroj N.
Rapid detection of extended spectrum β -lactamase producing Escherichia coli isolated from fresh pork meat and pig cecum samples using multiplex recombinase polymerase amplification and lateral flow strip analysis.
PLoS One. 2021 Mar 15;16(3):e0248536. doi: 10.1371/journal.pone.0248536.

邦文

1. 笹井瑠美, 門田有希, 田原誠
STH クロマト PAS を利用したアズキ加工食品における品種判定法の検討
DNA 多型 Vol.25, No.1, 2017